

Simplicity®

30" REEL MOWER

FOR USE WITH MODELS "575" & "450"

Article No. 990117

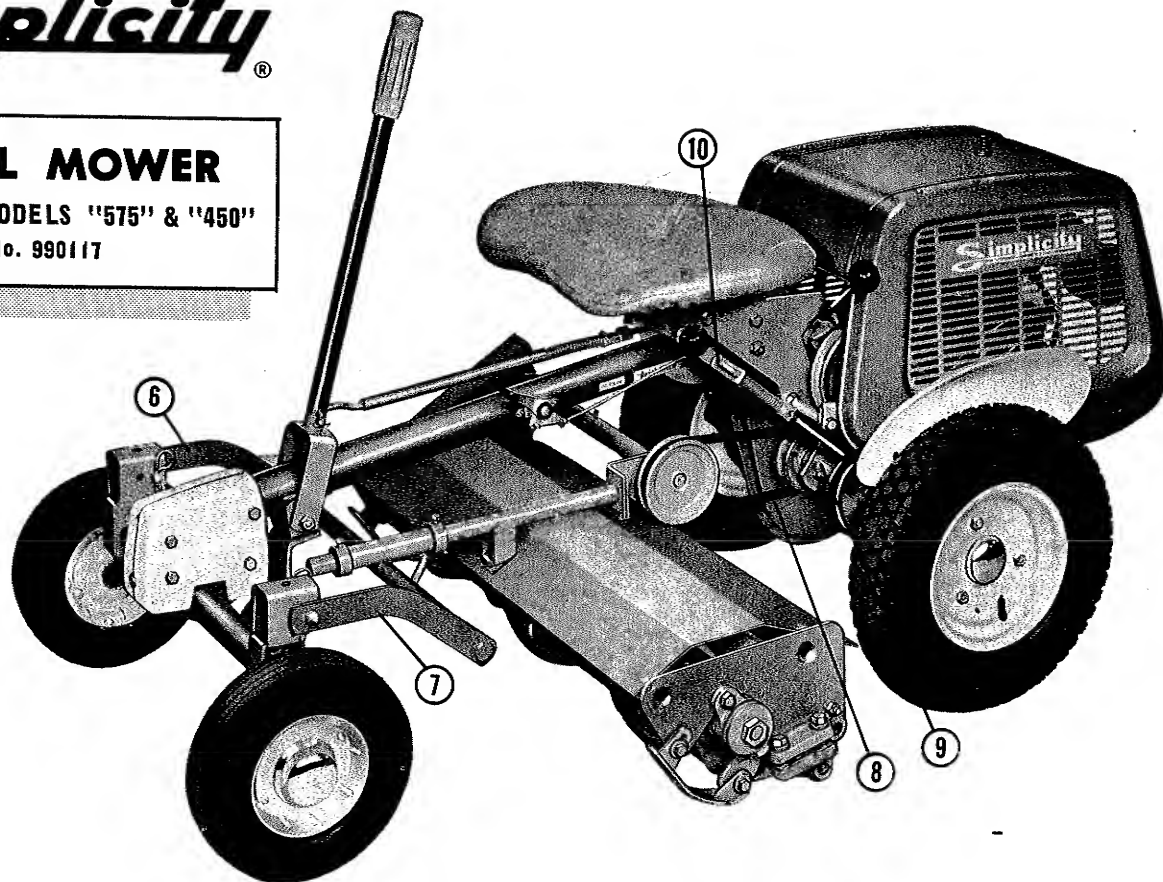


Fig. RE-1

Special design features are built into the reel mower for your convenience and safety, and so that your lawn may always appear at its best. The mower is mounted on the front axle so that the cutting edge will clear an obstruction, hill or rise in the ground. The mower is free floating to permit following the ground contour. The reel extends beyond both sides of the Wonder-Boy to permit close trimming on either side. The wide rear roller offers support so mowing can be done up to the edge of the garden without the mower digging into the dirt and scalping the edge. Mower is far enough behind the front wheels to allow the grass to spring up after the front wheels have passed over.

PACKING LIST

The 30" reel mower attachment is shipped complete in one carton.

ASSEMBLY

Refer to Fig. RE-2

1. For shipping purposes single draw bar (1) is fastened parallel to the lawn mower grass shield. Included separately in the mower carton is a carry lift hitch assembly which attaches to the swing draw bar (1). Refer to the instruction sheet in the mower carton and assemble the hitch plate to swing draw bar (1). Then move swing draw bar (1) to line up with hole in bear-

ing bracket housing (3) as shown. Secure with bolt provided then tighten bolt (2).

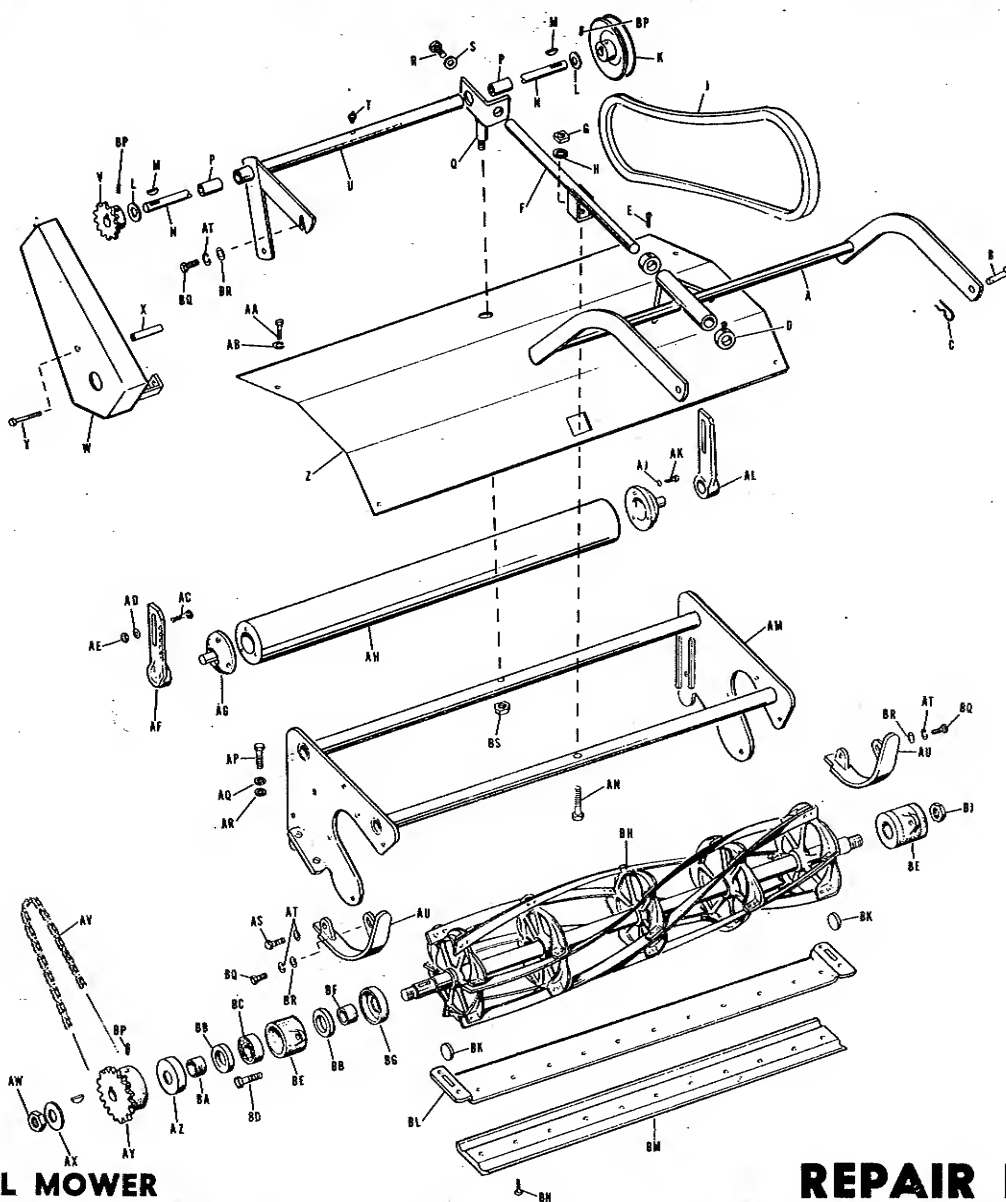
2. Attach double draw bar (4) to single draw bar (1) and secure with set collars (5) as shown.

3. Refer to Fig. RE-1. Attach mower to Wonder-Boy as shown in Fig. RE-1. Attach right arm (6) and left arm (7) to the frame. Be sure to insert the spring clips into the holes in the bolts and push them all the way through.

4. Mount the mower belt (8) over mower pulley and power take-off shaft pulley as shown. **NOTE: The power take-off shaft (9) on the Wonder-Boy 575 has a double pulley instead of the single pulley shown at (14, Fig. RE-1).** When attaching the 30" reel mower to the Model 575, the drive belt (8) must be placed on the smaller pulley. Notice that the power take-off shaft (9) on the Wonder-Boy is spring loaded to provide proper belt tension on the mower belt.

5. For additional belt adjustment move set collars (5, Fig. RE-2) on single draw bar (1). Always remember the V belt should be adjusted with minimum amount of tension to drive the reel mower.

6. When installing belt, be sure mower clutch lever (10) is released and pull forward on spring loaded shaft (9). **NOTE: The Wonder-Boy 575 has an extension handle on the clutch lever control. This handle is pushed**



30" REEL MOWER

REPAIR PARTS

Order by Part Number

* Purchase Locally

| Ref. Letter | Part No. | Description | Weight | |
|-------------|----------|---------------------------------|--------|-----|
| | | | Lbs. | Oz. |
| A | 109040 | Hitch Assembly | 9 | 8 |
| B | 100028 | Pin | | 4 |
| C | S1-A45A | Clip, Spring | | 2 |
| D | S2E-A5 | Collar, Set | | 3 |
| E | 713006 | Set Screw, Sq. Hd. 5/16-18x1/2" | | * |
| F | 47230 | Pivot Assy. | 4 | 5 |
| G | 32-107-4 | Square Nut, 3/4" NC | | * |
| H | 32-53-5 | Lockwasher, 3/4" | | * |
| I | 109061 | "V" Belt — 28" Long | 1 | 8 |
| J | 109060 | Pulley | 3 | |
| K | 153079 | Washer | | 2 |
| L | 725003 | Woodruff Key, 3/16x3/4, No. 9 | | 6 |
| M | 109051 | Shaft, Pulley | 2 | 8 |
| N | 47280 | Bushing | | 2 |
| P | 47110 | Support Assy. | 1 | 3 |
| Q | 32-5-2 | Capscrew | | * |
| R | 32-53-7 | Lockwasher | | * |
| S | 30-2-32 | Zerk Fitting | | 1 |
| T | 15709 | Jackshaft Hsg. & Brg. Assembly | 4 | |
| U | PA-2 | Sprocket | 2 | |
| V | 47220 | Chain Guard Assembly | 2 | |
| W | 47050 | Spacer | | 3 |
| X | 705029 | Capscrew, 1/4-16x3 1/4" | | * |
| Y | 47060 | Shield, Grass | 7 | 11 |
| AA | 705005 | Capscrew, 1/4-28x1/2" | | * |
| AB | 720003 | Lockwasher, 1/4" | | * |
| AC | 703002 | Carriage Bolt, 1/4-16x1 1/4" | | * |
| AD | 720002 | Lockwasher, 3/4" | | * |
| AE | 717510 | Nut, Flat Hex, 1/4-16 | | * |
| AF | QK-445 | Roller Bracket Assy. R. | | 11 |
| AG | Q-212 | Shaft End | | 8 |
| AH | QK-427 | Roller Bracket Assy. L. | 10 | 4 |
| AJ | 32-53-16 | Lockwasher | | * |

| Ref. Letter | Part No. | Description | Weight | |
|-------------|----------|-------------------------------------|--------|-----|
| | | | Lbs. | Oz. |
| AK | 32-73-18 | Screw, Socket Hd. | | 1 |
| AL | QK-447 | Roller Bracket Assy. L. | | 11 |
| AM | 47010 | Frame Assy. | 15 | 10 |
| AN | 705006 | Capscrew, 3/4-16x2" | | * |
| AP | 706014 | Capscrew, 7/16-20x1 3/4" | | 2 |
| AQ | PL-135 | Washer — Upper | | 1 |
| AR | LU-91 | Washer — Lower | | 1 |
| AS | 32-10-4 | Capscrew | | * |
| AT | 720001 | Lockwasher, 5/16" | | * |
| AU | Q-188B | Guard, Reel | 1 | |
| AV | 47180 | Chain, Drive, w/Link | | 10 |
| AW | 32-20-6 | Nut, Jam | | 1 |
| AX | 32-56-7 | Washer, Cut | | * |
| AY | 47040 | Sprocket | 2 | |
| AZ | 5P-19 | Slinger — Outer | | 2 |
| BA | 5P-17A | Spacer — Outer | | 2 |
| BB | 25-3-1 | Seal, Grease | | 1 |
| BC | 25-1-11 | Bearing, Ball | | 4 |
| BD | K-208 | Bolt, Bearing Housing | | 1 |
| BE | 5P-14 | Housing, Bearing | 1 | |
| BF | 5P-16A | Spacer — Inner | | 1 |
| BG | 5P-18 | Slinger — Inner | | 2 |
| BH | QK-512 | Reel Assembly, 6 Blade | 28 | |
| BJ | 32-20-7 | Nut, Jam | | 1 |
| BK | 5P-24 | Disc, Pivot | | 2 |
| BL | Q-200 | Bed, Bed Assembly | 10 | 12 |
| BM | CU-109A | Knife, Bed | 5 | 6 |
| BN | CU-110B | Screw, Knife | | 1 |
| BP | 713503 | Set Screw, socket hd., 5/16-18x5/16 | | * |
| BQ | 32-10-2 | Capscrew, 5/16-24x3/4" | | * |
| BR | 719006 | Washer, 1/4 S.A.E. | | * |
| BS | 32-96-19 | Locknut | | 1 |

forward to engage the clutch and is pulled to the rear when disengaging the clutch.

7. When belt is in position release shaft (9) and correct tension will be applied on mower drive belt. The mower is now ready for use.

HEIGHT OF CUT ADJUSTMENT

The height of cut can be adjusted from $\frac{3}{8}$ " to 2" by moving the roller brackets (11, Fig. RE-2), up or down to the desired height. There are gauge markers on the brackets at $\frac{1}{4}$ " intervals. Both roller brackets must be adjusted to the same height. The grass to be cut should be not more than $2\frac{1}{2}$ to $2\frac{3}{4}$ inches in height to provide the best appearing results on fine lawns. Higher grasses and higher heights-of-cut can, under certain circumstances, lead to skipping and, an irregularity of cut. In order to obtain a consistently even cut, the grass should also be trained to stand straight by cutting in different directions at each mowing.

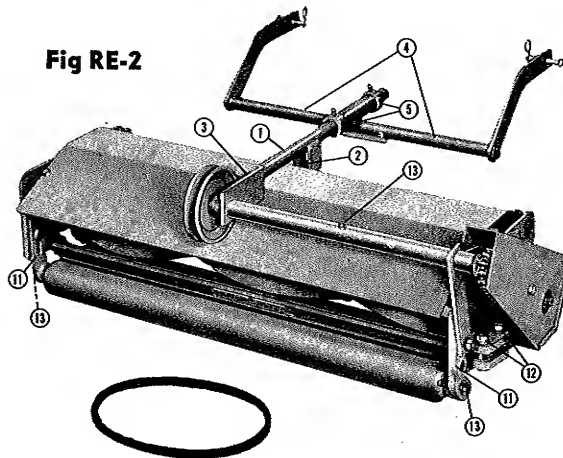
BED KNIFE AND REEL ADJUSTMENT

This adjustment is the most important on any lawn mower and must be done carefully to insure satisfactory performance. The bed knife is adjusted to the reel by the two screws (12, Fig. RE-2), at each end of the bed knife bar.

To bring the bed knife up, loosen the rear adjusting screws and tighten the front screws. Bring both ends of the bed knife up until it is close but not touching the reel. Adjust the left end so that it touches the reel very lightly. Bring the right end up gradually until the blades cut paper along the full width of the mower.

THE BLADES DO NOT NEED TO TOUCH THE KNIFE BUT SHOULD BE VERY CLOSE. At no time should the bed knife bear heavily against the reel, as it will cause loss of power, poor cutting and result in undue wear of the blades, and damage to the reel bearings. When properly adjusted the mower will cut a clean swath for the full length of the reel, and the reel will revolve freely.

Fig RE-2



LUBRICATION

There are three grease fittings (13, Fig. RE-2) on the lawn mower. Grease each time mower is used. The reel ball bearings are packed with lubricant and sealed at the factory. No service or lubrication is necessary for the life of the bearings.

